



**NATIONAL STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

GB/T 39273-2020

**Rolling bearings and joint bearings Electronic media query
structure Features and performance indicators identified by
characteristic vocabulary**

Issued on: November 19, 2020

Implemented on: June 1, 2021

**Issued by: State Administration for Market Regulation, China National
Standardization Administration**

Table of Contents

1 Scope	1
2 Normative references	1
3 Terms and definitions	1
4 Description and use of electronic media query structure	2
4.1 General	2
4.2 Framework of query structure	2
5 Characteristics and value ranges of rolling bearings	4
5.1 General	4
5.2 Ball bearing	4
5.3 Roller bearings	8
5.4 Outer spherical bearing, outer spherical bearing with seat, outer spherical bearing seat and accessories	14
5.5 Combined bearings	17
5.6 Rolling bearing parts	17
5.7 Bearing seat and bearing seat accessories	19
5.8 Bearing accessories	21
5.9 Roller bearings	22
6 Characteristics and range of joint bearings	24
6.1 General	24
6.2 Joint bearing	24
Appendix A (informative appendix) Examples of query structure usage	27
Reference	28

Foreword

This standard was drafted in accordance with the rules given in GB/T 1.1-2009.

This standard uses the translation method equivalent to ISO 21107.2015 "Features for the structure of electronic media query of rolling bearings and joint bearings"

Characteristics and performance indicators of vocabulary identification.

The Chinese documents that have a consistent correspondence with the international documents cited in this standard are as follows.

---GB/T 3944-2002 Joint bearing vocabulary (ISO 6811.1998, IDT)

---GB/T 4199-2003 Rolling bearing tolerance definition (ISO 1132-1.2000, MOD)

---GB/T 6930-2002 rolling bearing vocabulary (ISO 5593.1997, IDT)

This standard was proposed by China Machinery Industry Federation.

This standard is under the jurisdiction of the National Standardization Technical Committee for Rolling Bearings (SAC/TC98).

Drafting organizations of this standard. Wanxiang Qianchao Co., Ltd., Luoyang Bearing Research Institute Co., Ltd., Zhejiang Zhaofeng Mechanical and Electrical Co., Ltd.,

Schaeffler (China) Co., Ltd., Chongqing Changjiang Bearing Co., Ltd., Xiangyang Automobile Bearing Co., Ltd., Shandong Teng Gong Bearing Co., Ltd.

The company, Shandong Jindi Precision Machinery Technology Co., Ltd.

Introduction

When buying and selling goods, electronic media are used more and more widely. It has also been applied to the rolling bearing industry, and it is expected to

Most of the later sales will be conducted through electronic media.

When ordering bearings, you may encounter a problem, that is, the code problem, especially those of special purpose and modified products.

Suppliers are different from each other. Therefore, for electronic media business, it is necessary to provide customers and distributors with an unknown bearing code.

In this case, the applicable system of the bearing can be quickly and easily identified.

This can be achieved by using a computerized query structure. The user only needs to input some specified relevant bearings on the computer screen

Simple options (size, number of rolling elements, cage, etc.), if necessary, can also be options related to performance indicators and other characteristics. root

According to these input data, the computer will provide possible bearing code and other information.

In order to simplify the procedure and provide users with a unified input vocabulary, which has nothing to do with the supplier, this standard is a standardized electronic medium.

The body query structure provides special vocabulary used to identify bearings, bearing parts and accessories, which are based on ISO 5593 and other rolling shafts

Bearing standards.

When bearing manufacturers and/or distributors establish their own query structure, in order to filter the bearing codes that meet the requirements of the purchaser, certain shafts

Contract manufacturers and distributors will customize some characteristics or value ranges. At this time, it is recommended to use ISO 5593 and other applicable rolling bearing standards.

terms of.

This standard uses metric units, but the characteristics are also applicable to products with inch sizes.

Rolling bearing and joint bearing electronic media query structure

Features and performance indicators identified with feature words

1 Scope

This standard establishes a query structure and characteristic vocabulary used to identify rolling bearings, housings, accessories, and joint bearings.

Used in electronic media, such as the Internet.

This standard does not include inquiry procedures.

This standard does not establish a query structure and characteristic vocabulary for identifying linear motion rolling bearings.

Note. The rolling bearing reference dictionary in this document is defined in ISO /T S23768-1, ISO /T S23768-1 contains bearing classification and the characteristics and value ranges

Definition of data element type.

2 Normative references

The following documents are indispensable for the application of this document. For dated reference documents, only the dated version applies to this article

Pieces. For undated references, the latest version (including all amendments) applies to this document.

ISO 1132-1 Rolling Bearing Tolerance Part 1.Terms and Definitions

ISO 5593 rolling bearing vocabulary

ISO 6811 articulated bearing vocabulary

3 Terms and definitions

The following terms and definitions defined by ISO 1132-1, ISO 5593 and ISO 6811 apply to this document.

3.1

Non-leaf representation

Characterization categories that can be further subdivided.

[ISO /T S23768-1.2011, definition 3.1.24]

3.2

Leaf Characterization

Characterization categories that cannot be further subdivided.

[ISO /T S23768-1.2011, definition 3.1.22]

3.3

characteristic

Used to identify the characteristics or performance of the product in detail.

Note. This standard gives priority to the names of products and parts that have been used in other rolling bearing standards.

3.4

range

A set of allowed values.

[ISO 22745-2.2010, definition 10.7]